

<b>Notice of Allowability</b>	Application No.	Applicant(s)	
	10/608,188	CUELLAR ET AL.	
	Examiner	Art Unit	
	Sharad Rampuria	2617	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 06/15/2006.
2. ☒ The allowed claim(s) is/are 1-25.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

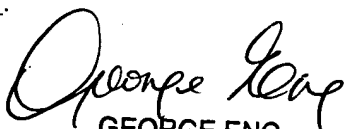
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

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| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li> <li>7. <input type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
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**GEORGE ENG**  
**SUPERVISORY PATENT EXAMINER**

**DETAILED ACTION**

- I. The Art Unit location of this application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2617.
- II. The current office-action is in response to the amendments/remarks filed on 06/15/2006. Accordingly, Claims 1-25 are pending for further examination as follows:

***Terminal Disclaimer***

- III. The terminal disclaimer filed on 06/15/2006 disclaiming the terminal portion of any patent granted on this application, which would extend beyond the expiration date of 10/009975 (US 6980796) has been reviewed and is accepted. The terminal disclaimer has been recorded.

***Allowable Subject Matter***

- IV. The following is an examiner's statement of reasons for allowance:

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Flanders et al. disclose a method describes an authentication technique for use between a first communication unit, such as a subscriber unit, and a second communication limit, such as a fixed network communication limit, wherein the first communication limit modifies an ID, known to both the first communication unit and the second communication unit (such as a serial

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number), using data as one enciphering key and a second ID (such as a Personal Identification Number) as the other enciphering key.

Brown et al. disclose a method and apparatus for authentication between a subscriber unit and a communication unit of a communication system. The authentication is accomplished by providing a first subscriber unit identifier, first shared-secret data, second shared-secret data a random challenge, and instant-specific information to the subscriber unit and the communication unit.

Pitiot disclose to preclude the reading of authentication keys) contained in a mobile radiotelephone station by electronic means.

Amin et al. disclose a system and method is provided for detecting fraudulent use of a unique identifier associated with an authorized mobile station in a wireless telecommunications network.

Park discloses a method of managing mobile station operational parameters is disclosed in which a mutual authentication between a mobile station and a network is performed.

Patel disclose a method of strengthens authentication protocols by making it more difficult for handset impersonators to perform call origination using replay attacks.

Concerning Claim 1, all of the above prior art fails to disclose forming a first error detection datum at the first communication subscriber; transmitting an information item concerning a random datum from the first communication subscriber to the second communication subscriber; forming a second error detection datum of the second communication subscriber; forming an error information item at the second communication subscriber, using the second error detection datum and the information item concerning the random datum; transmitting the error information item from the second communication subscriber to the first communication subscriber; and checking the first and second error detection data at the first communication subscriber using the error information item.

Concerning Claim 24, all of the above prior art fails to disclose a first communication subscriber to form a first error detection datum, and to transmit an information item concerning a random datum; a second communication subscriber to receive the information item concerning a random datum from the first communication subscriber, to form a second error detection datum of the second communication subscriber, to form an error information item using the information item concerning the random datum and the second error detection datum and to transmit the error information item to the first communication subscriber, for the first communication subscriber to check the second error detection datum and the first error detection datum using the error information item.

Concerning Claim 25, all of the above prior art fails to disclose means for forming a first error detection datum for the first communication subscriber; means for transmitting an

information item concerning a random datum, from the first communication subscriber to the second communication subscriber; means for forming a second error detection datum for the second communication subscriber; means for forming an error information item using the information item concerning the random datum and the second error detection datum; means for transmitting the error information item from the second communication subscriber to the first communication subscriber; and means for checking the first and second error detection data at the first communication subscriber, using the error information item.

Consequently, Claims 1, 24-25 is allowed on behalf of above-discussed reasons, and based on Dent et al., Yahagi and also based on Applicants arguments and remarks filed on 6/15/06 as well. Since Claims 2-23 is dependent on Claim 1, therefore they are also allowable.


### ***Conclusion***

V. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sharad Rampuria whose telephone number is (571) 272-7870. The examiner can normally be reached on M-F. (8:30-5).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on (571) 272-7495. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://portal.uspto.gov/external/portal/pair>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or [EBC@uspto.gov](mailto:EBC@uspto.gov).

  
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SUPERVISORY PATENT EXAMINER

Sharad Rampuria  
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Art Unit 2617